

CUSTOMER REFERENCE

MEDALLION

Sample description as provided by customer

Order No. 11577

Mass/unit area **26 oz/yd²** g/m² Pile Fibre Content **100% SOLUTION DYED NYLON**

Construction Details **Tufted** Secondary Backing **Synthetic**

Colour **Black/Grey**

Style **LOOP**

Pile Height **3 mm**

TEST METHOD AS/ISO 9239.1 2003 Reaction To Fire Tests For Floorings Part 1 Determination of the Burning Behaviour Using a Radiant Heat Source. As required by specification C1.10a of the Building Code of Australia.

Tested in accordance with the Carpet Institute Code of Practice for AS/ISO 9239 Testing Version 10 / 0805.

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test, they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use. Clause 9 of AS/ISO 9239 Part 1

Conditioning as specified in BS EN 13238.2001

Sample submitted Date **September 2007**

Test Date **25/10/2007**

ASSEMBLY SYSTEM DOUBLE BOND (DOUBLE STICK) details below.

The underlay used was SENSI SLAB it was adhered to the substrate using ROBERTS 656 adhesive. The floor covering was adhered to the underlay using ROBERTS 95 SF adhesive.

Substrate : Non-combustible

Substrate – 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.

Sample Cleaned as Specified in ISO 11379.1997

Initial Test Specimen 1 Length Direction Critical Radiant Flux **1.9 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **1.9 kW/m²**
Full tests carried out in the **Length** Direction


SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m ²)	1.9	1.8	1.7	1.8
Smoke Development Rate (%.min)	510	529	515	518

The values quoted below are as required by Specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia. The Critical Radiant Flux quoted is the value at Flame-Out.

MEAN CRITICAL RADIANT FLUX 1.8 kW/m²

MEAN SMOKE DEVELOPMENT RATE 518 %.min

OBSERVATIONS **The samples shrunk away from the heat source then ignited**

 ACCREDITED FOR TECHNICAL COMPETENCE	Authorised Signatory M. B. Webb Date 25/10/2007
	NATA Reg. No. 15393 Heat and temperature measurement.

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Page 2 only shows the time required in seconds for the flame front to reach each time marker, the total test time and the CHF value at 30 minutes (if applicable).

The laboratory allows the use of this page of the report without the use of page 2.

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Pyrometer temperature
 On calibration 535.9°C
 Start of test run 539.9
 End of test run 537.6

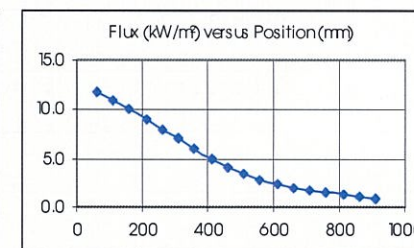
Chamber temperature
 On calibration 96.6°C
 Start of test run 95.0
 End of test run 93.3

Clause 7.2.2 AS/ISO 9239 The pyrometer should be $\pm 5^\circ$ of calibration temperature.
 The Chamber temperature should be $\pm 10^\circ$ of calibration temperature
 The Holding Tension on Specimen Frame was 1 Nm

TIME FOR EACH SPECIMEN TO REACH EACH MARKER IN SECONDS

Specimen	50	60	110	160	210	260	310	360	410	460	510	560	610	660	710	760	810	860
1	165	170	193	246	328	397	403	482	665	1265	1704	2507	2958	3768	/			
2	163	171	227	258	319	358	419	478	625	1159	1629	2684	2649	3129				
3	187	196	249	274	296	321	368	458	593	1020	1485	2977	2432	2998	/			

FLUX CALIBRATION: FLX07001



TESTS

SMOKE PRODUCTION

BURNING CHARACTERISTICS

Specimen	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)	Burn Length at Flame Out (mm)	Time To Burn Out (s)	Critical Heat Flux at 30min (kW/m²)
Initial Test: Width	76	527	672	4,157	2.4
Specimen Tests: Length					
1	74	510	670	4,007	2.3
2	73	529	686	3,528	2.4
3	76	515	700	3,818	2.9
Mean	74	518	685	3,784	2.5



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**TECHNICAL
 COMPETENCE**

NATA Reg. No. 15393
 Heat and temperature measurement.

Authorised Signatory

M B Webb

Date 25/10/2007

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The laboratory does not allow the use of this page of the report without the use of page 1.

This page alone has no validity under specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.

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